Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/28/2017 11:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125188	0	1.74	124977	1.72
Blue	F	SSC	125000	123421	-2	3.16	123661	3.04
Blue	E	FITC	23795	23023	-4	2.66	1027	10.51
Blue	D	PE	29673	29372	-2	2.22	1056	10.03
Blue	B	PerCP-Cy5-5	48943	47946	-3	3.59	1377	17.39
Blue	A	PE-Cy7	44112	44261	0	5.29	676	36.56
Red	C	APC	54273	53530	-2	2.71	3081	9.41
Red	A	APC-Cy7	54945	54028	-2	2.70	1122	11.14
Violet	B	V450	15756	14866	-6	4.67	710	9.22
Violet	A	V500	62569	61615	-2	4.46	2733	6.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19380	4.07	611	-3	N/A	N/A	Pass
Blue	F	SSC	61411	1.58	545	-1	N/A	N/A	Pass
Blue	E	FITC	113	41.37	547	-3	0.0202	253	Pass
Blue	D	PE	231	29.65	546	0	0.1545	250	Pass
Blue	B	PerCP-Cy5-5	214	46.67	635	-4	0.0096	109	Pass
Blue	A	PE-Cy7	72	124.00	693	-6	0.0113	16	Pass
Red	C	APC	364	27.65	597	-3	0.0206	86	Pass
Red	A	APC-Cy7	124	40.56	574	-10	0.0056	1687	Pass
Violet	B	V450	87	43.18	473	1	0.0517	2403	Pass
Violet	A	V500	200	23.24	503	4	0.0144	536	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.09	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.91	13.27 - 19.91	N/A	N/A	31.21	31.70	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10149

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments